

# James J Schauer

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

298  
papers

20,441  
citations

71  
h-index

133  
g-index

302  
ext. papers

22,477  
ext. citations

6.9  
avg, IF

6.83  
L-index

#	Paper	IF	Citations
298	An improved understanding of NO <sub>x</sub> emissions in South Asian megacities using TROPOMI NO <sub>2</sub> retrievals. <i>Environmental Research Letters</i> , <b>2022</b> , 17, 024006	6.2	1
297	Elemental composition of fine and coarse particles across the greater Los Angeles area: Spatial variation and contributing sources. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118356	9.3	4
296	Household air pollution from solid fuel use as a dose-dependent risk factor for cognitive impairment in northern China.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6187	4.9	0
295	Chemical Investigation of Household Solid Fuel Use and Outdoor Air Pollution Contributions to Personal PM Exposures. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15969-15979	10.3	1
294	An improved method for sampling and analytical measurement of aerosol platinum in ambient air and workplace environments.. <i>Science of the Total Environment</i> , <b>2021</b> , 814, 152657	10.2	1
293	Oral cavity response to air pollutant exposure and association with pulmonary inflammation and symptoms in asthmatic children. <i>Environmental Research</i> , <b>2021</b> , 112275	7.9	
292	Wood burning pollution in Chile: A tale of two mid-size cities. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 50-59	4.5	2
291	Increases in the formation of water soluble organic nitrogen during Asian dust storm episodes. <i>Atmospheric Research</i> , <b>2021</b> , 253, 105486	5.4	2
290	Role of endogenous melatonin in pathophysiologic and oxidative stress responses to personal air pollutant exposures in asthmatic children. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 145709	10.2	5
289	Source contributions to multiple toxic potentials of atmospheric organic aerosols. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 145614	10.2	11
288	Real-time measurements of PM and ozone to assess the effectiveness of residential indoor air filtration in Shanghai homes. <i>Indoor Air</i> , <b>2021</b> , 31, 74-87	5.4	15
287	Cytotoxicity and chemical composition of women's personal PM exposures from rural China. <i>Environmental Science Atmospheres</i> , <b>2021</b> , 1, 359-371		0
286	Personal Exposure to PM Oxidative Potential in Association with Pulmonary Pathophysiologic Outcomes in Children with Asthma. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 3101-3111	10.3	9
285	Assessment of long-range oriented source and oxidative potential on the South-west shoreline, Korea: Molecular marker receptor models during shipborne measurements. <i>Environmental Pollution</i> , <b>2021</b> , 281, 116979	9.3	2
284	Source attribution of air pollution using a generalized additive model and particle trajectory clusters. <i>Science of the Total Environment</i> , <b>2021</b> , 780, 146458	10.2	2
283	Quantitative estimation of meteorological impacts and the COVID-19 lockdown reductions on NO and PM over the Beijing area using Generalized Additive Models (GAM). <i>Journal of Environmental Management</i> , <b>2021</b> , 291, 112676	7.9	20
282	Distinguishing Air Pollution Due to Stagnation, Local Emissions, and Long-Range Transport Using a Generalized Additive Model to Analyze Hourly Monitoring Data. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 2329-2340	3.2	3

281	Reactive oxygen species (ROS) activity of fine particulate matter health impacts in Addis Ababa, Ethiopia. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 101149	4.5	1
280	Temporal trends in the spatial-scale contributions to black carbon in a Middle Eastern megacity. <i>Science of the Total Environment</i> , <b>2021</b> , 792, 148364	10.2	0
279	Estimation of commercial cooking emissions in real-world operation: Particulate and gaseous emission factors, activity influencing and modelling. <i>Environmental Pollution</i> , <b>2021</b> , 289, 117847	9.3	1
278	Determinants of personal exposure to PM and black carbon in Chinese adults: A repeated-measures study in villages using solid fuel energy. <i>Environment International</i> , <b>2021</b> , 146, 106297	12.9	10
277	Source Apportionment of Coarse Particulate Matter (PM) in Yangon, Myanmar. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	4
276	Associations of personal exposure to air pollutants with airway mechanics in children with asthma. <i>Environment International</i> , <b>2020</b> , 138, 105647	12.9	20
275	Impacts of Sources on PM Oxidation Potential during and after the Asia-Pacific Economic Cooperation Conference in Huairou, Beijing. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 2585-2594	10.3	1
274	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , <b>2020</b> , 174, 533-542	8.3	30
273	Computational Chemistry-Based Evaluation of Metal Salts and Metal Oxides for Application in Mercury-Capture Technologies. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 9015-9022	3.9	4
272	Changes in ozone photochemical regime in Fresno, California from 1994 to 2018 deduced from changes in the weekend effect. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114380	9.3	19
271	Chemical Characterization and Seasonality of Ambient Particles (PM) in the City Centre of Addis Ababa. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	4
270	Using Low-cost sensors to Quantify the Effects of Air Filtration on Indoor and Personal Exposure Relevant PM <sub>2.5</sub> Concentrations in Beijing, China. <i>Aerosol and Air Quality Research</i> , <b>2020</b> , 20, 297-313	4.6	28
269	Oxidative potential of ambient PM in Wuhan and its comparisons with eight areas of China. <i>Science of the Total Environment</i> , <b>2020</b> , 701, 134844	10.2	22
268	PM <sub>2.5</sub> in Abuja, Nigeria: Chemical characterization, source apportionment, temporal variations, transport pathways and the health risks assessment. <i>Atmospheric Research</i> , <b>2020</b> , 237, 104833	5.4	17
267	Using low-cost sensors to monitor indoor, outdoor, and personal ozone concentrations in Beijing, China. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 131-143	4.3	13
266	Impacts of stove/fuel use and outdoor air pollution on chemical composition of household particulate matter. <i>Indoor Air</i> , <b>2020</b> , 30, 294-305	5.4	6
265	The impact of household air cleaners on the oxidative potential of PM and the role of metals and sources associated with indoor and outdoor exposure. <i>Environmental Research</i> , <b>2020</b> , 181, 108919	7.9	23
264	Occurrence of estrogens, androgens and progestogens and estrogenic activity in surface water runoff from beef and dairy manure amended crop fields. <i>Science of the Total Environment</i> , <b>2020</b> , 710, 136247	10.2	14

263	Source apportionment of fine particulate matter in a Middle Eastern Metropolis, Tehran-Iran, using PMF with organic and inorganic markers. <i>Science of the Total Environment</i> , <b>2020</b> , 705, 135330	10.2	10
262	Satellite Observations of PM <sub>2.5</sub> Changes and Driving Factors Based Forecasting Over China 2000-2025. <i>Remote Sensing</i> , <b>2020</b> , 12, 2518	5	7
261	Investigating Cumulative Exposures among 3- to 4-Year-Old Children Using Wearable Ultrafine Particle Sensors and Language Environment Devices: A Pilot and Feasibility Study. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	4
260	Children's microenvironmental exposure to PM and ozone and the impact of indoor air filtration. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2020</b> , 30, 971-980	6.7	8
259	Malondialdehyde in Nasal Fluid: A Biomarker for Monitoring Asthma Control in Relation to Air Pollution Exposure. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11405-11413	10.3	11
258	Characterization of aerosol chemical composition and the reconstruction of light extinction coefficients during winter in Wuhan, China. <i>Chemosphere</i> , <b>2020</b> , 241, 125033	8.4	19
257	A global perspective on national climate mitigation priorities in the context of air pollution and sustainable development. <i>City and Environment Interactions</i> , <b>2019</b> , 1, 100003	3.2	10
256	The Oxidative Potential of Personal and Household PM in a Rural Setting in Southwestern China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2788-2798	10.3	22
255	Comparison of PM emission rates and source profiles for traditional Chinese cooking styles. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 21239-21252	5.1	9
254	Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. <i>Chemosphere</i> , <b>2019</b> , 231, 256-268	8.4	28
253	Effectiveness of a Household Energy Package in Improving Indoor Air Quality and Reducing Personal Exposures in Rural China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9306-9316	10.3	22
252	Differences in chemical composition of PM emissions from traditional versus advanced combustion (semi-gasifier) solid fuel stoves. <i>Chemosphere</i> , <b>2019</b> , 233, 852-861	8.4	18
251	Chemical composition and health risk indices associated with size-resolved particulate matter in Pearl River Delta (PRD) region, China. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 12435-12445	5.1	9
250	Chemical composition and source apportionment of ambient, household, and personal exposures to PM in communities using biomass stoves in rural China. <i>Science of the Total Environment</i> , <b>2019</b> , 646, 309-319	10.2	38
249	Exposure-Response Associations of Household Air Pollution and Buccal Cell Telomere Length in Women Using Biomass Stoves. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 87004	8.4	9
248	The impact of household air cleaners on the chemical composition and children's exposure to PM metal sources in suburban Shanghai. <i>Environmental Pollution</i> , <b>2019</b> , 253, 190-198	9.3	24
247	Longitudinal evaluation of a household energy package on blood pressure, central hemodynamics, and arterial stiffness in China. <i>Environmental Research</i> , <b>2019</b> , 177, 108592	7.9	12
246	Source Apportionment of Fine-Particle, Water-Soluble Organic Nitrogen and Its Association with the Inflammatory Potential of Lung Epithelial Cells. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9845-9854	10.3	25

245	Changes in speciated PM <sub>2.5</sub> concentrations in Fresno, California, due to NO <sub>x</sub> reductions and variations in diurnal emission profiles by day of week. <i>Elementa</i> , <b>2019</b> , 7,	3.6	9
244	Assessment of forest fire impacts on carbonaceous aerosols using complementary molecular marker receptor models at two urban locations in California's San Joaquin Valley. <i>Environmental Pollution</i> , <b>2019</b> , 246, 274-283	9.3	11
243	Chemical Characteristics of Size-Resolved Aerosols in Coastal Areas during KORUS-AQ Campaign; Comparison of Ion Neutralization Model. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2019</b> , 55, 387-399	2.1	5
242	Real-world PM extracts differentially enhance Th17 differentiation and activate the aryl hydrocarbon receptor (AHR). <i>Toxicology</i> , <b>2019</b> , 414, 14-26	4.4	7
241	Seasonal variations in the oxidative stress and inflammatory potential of PM in Tehran using an alveolar macrophage model; The role of chemical composition and sources. <i>Environment International</i> , <b>2019</b> , 123, 417-427	12.9	43
240	Effects of the emergency control measures in Beijing on air quality improvement. <i>Atmospheric Pollution Research</i> , <b>2019</b> , 10, 580-586	4.5	6
239	Chemical characterization and source apportionment of PM personal exposure of two cohorts living in urban and suburban Beijing. <i>Environmental Pollution</i> , <b>2019</b> , 246, 225-236	9.3	20
238	Ambient urban dust particulate matter reduces pathologic T cells in the CNS and severity of EAE. <i>Environmental Research</i> , <b>2019</b> , 168, 178-192	7.9	12
237	Impact of emissions from the Ports of Los Angeles and Long Beach on the oxidative potential of ambient PM measured across the Los Angeles County. <i>Science of the Total Environment</i> , <b>2019</b> , 651, 638-647	10.2	16
236	Source apportionments of PM organic carbon during the elevated pollution episodes in the Ordos region, Inner Mongolia, China. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 13159-13172	5.1	6
235	The role of iron-oxide aerosols and sunlight in the atmospheric reduction of Hg(II) species: A DFT+U study. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 234, 347-356	21.8	7
234	Exposure to air pollution interacts with obesogenic nutrition to induce tissue-specific response patterns. <i>Environmental Pollution</i> , <b>2018</b> , 239, 532-543	9.3	14
233	Source apportionment of PM organic carbon in the San Joaquin Valley using monthly and daily observations and meteorological clustering. <i>Environmental Pollution</i> , <b>2018</b> , 237, 366-376	9.3	16
232	Seasonal trends in the composition and sources of PM and carbonaceous aerosol in Tehran, Iran. <i>Environmental Pollution</i> , <b>2018</b> , 239, 69-81	9.3	40
231	Household air pollution and measures of blood pressure, arterial stiffness and central haemodynamics. <i>Heart</i> , <b>2018</b> , 104, 1515-1521	5.1	41
230	Acute changes in a respiratory inflammation marker in guards following Beijing air pollution controls. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 1539-1549	10.2	15
229	Impacts of stove use patterns and outdoor air quality on household air pollution and cardiovascular mortality in southwestern China. <i>Environment International</i> , <b>2018</b> , 117, 116-124	12.9	37
228	Quantum chemical calculations to determine partitioning coefficients for HgCl on iron-oxide aerosols. <i>Science of the Total Environment</i> , <b>2018</b> , 636, 580-587	10.2	8

227	A hybrid source apportionment strategy using positive matrix factorization (PMF) and molecular marker chemical mass balance (MM-CMB) models. <i>Environmental Pollution</i> , <b>2018</b> , 238, 39-51	9.3	31
226	The influence of air cleaners on indoor particulate matter components and oxidative potential in residential households in Beijing. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 507-518	10.2	32
225	Chemical composition and redox activity of PM near Los Angeles International Airport and comparisons to an urban traffic site. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 1336-1346	10.2	19
224	Differential effects of diesel exhaust particles on T cell differentiation and autoimmune disease. <i>Particle and Fibre Toxicology</i> , <b>2018</b> , 15, 35	8.4	19
223	Changes in oxidative potential of soil and fly ash after reaction with gaseous nitric acid. <i>Atmospheric Environment</i> , <b>2018</b> , 173, 306-315	5.3	8
222	BAERLIN2014 stationary measurements and source apportionment at an urban background station in Berlin, Germany. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8621-8645	6.8	4
221	Polycyclic aromatic hydrocarbons (PAHs) present in ambient urban dust drive proinflammatory T cell and dendritic cell responses via the aryl hydrocarbon receptor (AHR) in vitro. <i>PLoS ONE</i> , <b>2018</b> , 13, e0209690	3.7	23
220	Air Toxics in Relation to Autism Diagnosis, Phenotype, and Severity in a U.S. Family-Based Study. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 037004	8.4	19
219	Reactive oxygen species (ROS) activity of ambient fine particles (PM) measured in Seoul, Korea. <i>Environment International</i> , <b>2018</b> , 117, 276-283	12.9	45
218	Impact of biodiesel on regulated and unregulated emissions, and redox and proinflammatory properties of PM emitted from heavy-duty vehicles. <i>Science of the Total Environment</i> , <b>2017</b> , 584-585, 1230-1238	10.2	34
217	Large Reductions in Solar Energy Production Due to Dust and Particulate Air Pollution. <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 339-344	11	94
216	Chemical characterization and oxidative potential of particles emitted from open burning of cereal straws and rice husk under flaming and smoldering conditions. <i>Atmospheric Environment</i> , <b>2017</b> , 163, 1185-1127	5.3	39
215	Source apportionments of ambient fine particulate matter in Israeli, Jordanian, and Palestinian cities. <i>Environmental Pollution</i> , <b>2017</b> , 225, 1-11	9.3	21
214	Wood burning pollution in southern Chile: PM source apportionment using CMB and molecular markers. <i>Environmental Pollution</i> , <b>2017</b> , 225, 514-523	9.3	16
213	Seasonal trends, chemical speciation and source apportionment of fine PM in Tehran. <i>Atmospheric Environment</i> , <b>2017</b> , 153, 70-82	5.3	72
212	Assessing Exposure to Household Air Pollution: A Systematic Review and Pooled Analysis of Carbon Monoxide as a Surrogate Measure of Particulate Matter. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 076002	8.4	47
211	A user-centered, iterative engineering approach for advanced biomass cookstove design and development. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 095009	6.2	24
210	Elements and inorganic ions as source tracers in recent Greenland snow. <i>Atmospheric Environment</i> , <b>2017</b> , 164, 205-215	5.3	14

209	Relationship between reactive oxygen species and water-soluble organic compounds: Time-resolved benzene carboxylic acids measurement in the coastal area during the KORUS-AQ campaign. <i>Environmental Pollution</i> , <b>2017</b> , 231, 1-12	9.3	24
208	Quantification of the sources of long-range transport of PM pollution in the Ordos region, Inner Mongolia, China. <i>Environmental Pollution</i> , <b>2017</b> , 229, 1019-1031	9.3	31
207	Oxidative potential of on-road fine particulate matter (PM <sub>2.5</sub> ) measured on major freeways of Los Angeles, CA, and a 10-year comparison with earlier roadside studies. <i>Atmospheric Environment</i> , <b>2017</b> , 148, 102-114	5.3	41
206	A non-destructive optical color space sensing system to quantify elemental and organic carbon in atmospheric particulate matter on Teflon and quartz filters. <i>Atmospheric Environment</i> , <b>2017</b> , 149, 84-94	5.3	13
205	Impacts of regional transport on black carbon in Huairou, Beijing, China. <i>Environmental Pollution</i> , <b>2017</b> , 221, 75-84	9.3	17
204	Optimization of the Measurement of Particle-Bound Reactive Oxygen Species with 2,2',7,7'-tetrachlorofluorescein (DCFH). <i>Water, Air, and Soil Pollution</i> , <b>2016</b> , 227, 1	2.6	22
203	Development and field evaluation of an online monitor for near-continuous measurement of iron, manganese, and chromium in coarse airborne particulate matter (PM). <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 1306-1319	3.4	9
202	Sensitivity of source apportionment results to mobile source profiles. <i>Environmental Pollution</i> , <b>2016</b> , 219, 821-828	9.3	12
201	Chemical characterization and toxicity of particulate matter emissions from roadside trash combustion in urban India. <i>Atmospheric Environment</i> , <b>2016</b> , 147, 22-30	5.3	48
200	The oxidative potential of PM <sub>2.5</sub> exposures from indoor and outdoor sources in rural China. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 1477-89	10.2	40
199	Associations between microvascular function and short-term exposure to traffic-related air pollution and particulate matter oxidative potential. <i>Environmental Health</i> , <b>2016</b> , 15, 81	6	46
198	Seasonal variation in outdoor, indoor, and personal air pollution exposures of women using wood stoves in the Tibetan Plateau: Baseline assessment for an energy intervention study. <i>Environment International</i> , <b>2016</b> , 94, 449-457	12.9	79
197	Associations of oxidative stress and inflammatory biomarkers with chemically-characterized air pollutant exposures in an elderly cohort. <i>Environmental Research</i> , <b>2016</b> , 150, 306-319	7.9	71
196	Development and evaluation of a novel monitor for online measurement of iron, manganese, and chromium in ambient particulate matter (PM). <i>Science of the Total Environment</i> , <b>2016</b> , 565, 123-131	10.2	13
195	Seasonal and Diurnal Air Pollution from Residential Cooking and Space Heating in the Eastern Tibetan Plateau. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 8353-61	10.3	50
194	Nrf2-related gene expression and exposure to traffic-related air pollution in elderly subjects with cardiovascular disease: An exploratory panel study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2016</b> , 26, 141-9	6.7	34
193	ROS-generating/ARE-activating capacity of metals in roadway particulate matter deposited in urban environment. <i>Environmental Research</i> , <b>2016</b> , 146, 252-62	7.9	41
192	Heterogeneous Reduction Pathways for Hg(II) Species on Dry Aerosols: A First-Principles Computational Study. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 2106-13	2.8	8

191	ROS production and gene expression in alveolar macrophages exposed to PM(2.5) from Baghdad, Iraq: Seasonal trends and impact of chemical composition. <i>Science of the Total Environment</i> , <b>2016</b> , 543, 739-745	10.2	50
190	Source apportionment of Beijing air pollution during a severe winter haze event and associated pro-inflammatory responses in lung epithelial cells. <i>Atmospheric Environment</i> , <b>2016</b> , 126, 28-35	5.3	70
189	Repeated exposures to roadside particulate matter extracts suppresses pulmonary defense mechanisms, resulting in lipid and protein oxidative damage. <i>Environmental Pollution</i> , <b>2016</b> , 210, 227-37	9.3	52
188	Nighttime aqueous-phase secondary organic aerosols in Los Angeles and its implication for fine particulate matter composition and oxidative potential. <i>Atmospheric Environment</i> , <b>2016</b> , 133, 112-122	5.3	37
187	Quantification of elemental and organic carbon in atmospheric particulate matter using color space sensing-hue, saturation, and value (HSV) coordinates. <i>Science of the Total Environment</i> , <b>2016</b> , 548-549, 252-259	10.2	10
186	Fine and ultrafine particulate organic carbon in the Los Angeles basin: Trends in sources and composition. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 1083-1096	10.2	51
185	Seasonal and spatial differences in source contributions to PM in Wuhan, China. <i>Science of the Total Environment</i> , <b>2016</b> , 577, 155-155	10.2	50
184	Oxidative potential of size-fractionated atmospheric aerosol in urban and rural sites across Europe. <i>Faraday Discussions</i> , <b>2016</b> , 189, 381-405	3.6	29
183	The relative importance of tailpipe and non-tailpipe emissions on the oxidative potential of ambient particles in Los Angeles, CA. <i>Faraday Discussions</i> , <b>2016</b> , 189, 361-80	3.6	30
182	Temporal variations of black carbon during haze and non-haze days in Beijing. <i>Scientific Reports</i> , <b>2016</b> , 6, 33331	4.9	31
181	First field-based atmospheric observation of the reduction of reactive mercury driven by sunlight. <i>Atmospheric Environment</i> , <b>2016</b> , 134, 27-39	5.3	19
180	Source apportionment of PM2.5 carbonaceous aerosol in Baghdad, Iraq. <i>Atmospheric Research</i> , <b>2015</b> , 156, 80-90	5.4	28
179	Source apportionment of air pollution exposures of rural Chinese women cooking with biomass fuels. <i>Atmospheric Environment</i> , <b>2015</b> , 104, 79-87	5.3	43
178	Design Criteria for Future Fuels and Related Power Systems Addressing the Impacts of Non-CO2 Pollutants on Human Health and Climate Change. <i>Annual Review of Chemical and Biomolecular Engineering</i> , <b>2015</b> , 6, 101-20	8.9	8
177	Single Exposure to near Roadway Particulate Matter Leads to Confined Inflammatory and Defense Responses: Possible Role of Metals. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 8777-85	10.3	77
176	Is atherosclerotic disease associated with organic components of ambient fine particles?. <i>Science of the Total Environment</i> , <b>2015</b> , 533, 69-75	10.2	30
175	Assessing the role of chemical components in cellular responses to atmospheric particle matter (PM) through chemical fractionation of PM extracts. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 5953-63	4.4	20
174	Seasonal contribution of mineral dust and other major components to particulate matter at two remote sites in Central Asia. <i>Atmospheric Environment</i> , <b>2015</b> , 119, 11-20	5.3	19



173	Impact of primary and secondary organic sources on the oxidative potential of quasi-ultrafine particles (PM <sub>0.25</sub> ) at three contrasting locations in the Los Angeles Basin. <i>Atmospheric Environment</i> , <b>2015</b> , 120, 286-296	5.3	46
172	Atmospheric impacts of black carbon emission reductions through the strategic use of biodiesel in California. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 412-22	10.2	9
171	Origin of high particle number concentrations reaching the St. Louis, Midwest Supersite. <i>Journal of Environmental Sciences</i> , <b>2015</b> , 34, 219-31	6.4	14
170	An in vitro alveolar macrophage assay for the assessment of inflammatory cytokine expression induced by atmospheric particulate matter. <i>Environmental Toxicology</i> , <b>2015</b> , 30, 836-51	4.2	20
169	Seasonal trends in the composition and ROS activity of fine particulate matter in Baghdad, Iraq. <i>Atmospheric Environment</i> , <b>2015</b> , 100, 102-110	5.3	25
168	Source apportionment of carbonaceous fine particulate matter (PM <sub>2.5</sub> ) in two contrasting cities across the Indo-Gangetic Plain. <i>Atmospheric Pollution Research</i> , <b>2015</b> , 6, 398-405	4.5	60
167	Investigation of black and brown carbon multiple-wavelength-dependent light absorption from biomass and fossil fuel combustion source emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 6682-6697	4.4	107
166	Neither dust nor black carbon causing apparent albedo decline in Greenland's dry snow zone: Implications for MODIS C5 surface reflectance. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9319-9327	4.9	54
165	Oxidative potential of coarse particulate matter (PM <sub>10-2.5</sub> ) and its relation to water solubility and sources of trace elements and metals in the Los Angeles Basin. <i>Environmental Sciences: Processes and Impacts</i> , <b>2015</b> , 17, 2110-21	4.3	31
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141	Sources of metals and bromine-containing particles in Milwaukee. <i>Atmospheric Environment</i> , <b>2013</b> , 73, 124-130	5.3	10
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139	Influence of hydrophilic and hydrophobic water-soluble organic carbon fractions on light extinction at an urban site. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 2047-2053	0.6	2
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136	Chemical characteristics and source apportionment of fine particulate organic carbon in Hong Kong during high particulate matter episodes in winter 2003. <i>Atmospheric Research</i> , <b>2013</b> , 120-121, 88-98	5.4	23
135	Source apportionments of PM <sub>2.5</sub> organic carbon using molecular marker Positive Matrix Factorization and comparison of results from different receptor models. <i>Atmospheric Environment</i> , <b>2013</b> , 73, 51-61	5.3	82
134	Macrophage reactive oxygen species activity of water-soluble and water-insoluble fractions of ambient coarse, PM <sub>2.5</sub> and ultrafine particulate matter (PM) in Los Angeles. <i>Atmospheric Environment</i> , <b>2013</b> , 77, 301-310	5.3	80
133	Empirical relationship between particulate matter and aerosol optical depth over Northern Tien-Shan, Central Asia. <i>Air Quality, Atmosphere and Health</i> , <b>2013</b> , 6, 385-396	5.6	20
132	Sources and their contribution to two water-soluble organic carbon fractions at a roadway site. <i>Atmospheric Environment</i> , <b>2013</b> , 77, 348-357	5.3	30
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125	Seasonal and spatial variations of individual organic compounds of coarse particulate matter in the Los Angeles Basin. <i>Atmospheric Environment</i> , <b>2012</b> , 59, 1-10	5.3	10
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123	Sensitivity of Diesel Particulate Material Emissions and Composition to Blends of Petroleum Diesel and Biodiesel Fuel. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 1109-1118	3.4	13
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29	Gaseous and particulate emissions from prescribed burning in Georgia. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 9049-56	10.3	183
28	Emissions of metals associated with motor vehicle roadways. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 826-36	10.3	553
27	A comparison of the UCD/CIT air quality model and the CMB source-receptor model for primary airborne particulate matter. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 2281-2297	5.3	43
26	Seasonal trends in PM <sub>2.5</sub> source contributions in Beijing, China. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 3967-3976	5.3	460
25	The EDAM project: Mining atmospheric aerosol datasets. <i>International Journal of Intelligent Systems</i> , <b>2005</b> , 20, 759-787	8.4	9
24	Validation of a semi-continuous instrument for elemental carbon and organic carbon using a thermal-optical method. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 2885-2893	5.3	174
23	Diurnal variations of individual organic compound constituents of ultrafine and accumulation mode particulate matter in the Los Angeles Basin. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 1296-304	10.3	166
22	Trends in secondary organic aerosol at a remote site in Michigan's upper peninsula. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 6491-500	10.3	114
21	Aerosol chemical, physical, and radiative characteristics near a desert source region of northwest China during ACE-Asia. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		81
20	Evaluation of elemental carbon as a marker for diesel particulate matter. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2003</b> , 13, 443-53	6.7	176
19	Characterization of organic aerosols emitted from the combustion of biomass indigenous to South Asia. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, n/a-n/a		204
18	The distribution of particle-phase organic compounds in the atmosphere and their use for source apportionment during the Southern California Children's Health Study. <i>Journal of the Air and Waste Management Association</i> , <b>2003</b> , 53, 1065-79	2.4	62
17	Detailed Chemical Composition and Particle Size Assessment of Diesel Engine Exhaust <b>2002</b> ,		40
16	Trimethylsilyl derivatives of organic compounds in source samples and in atmospheric fine particulate matter. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 4273-81	10.3	95
15	Measurement of emissions from air pollution sources. 4. C1-C27 organic compounds from cooking with seed oils. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 567-75	10.3	275
14	Speciation of gas-phase and fine particle emissions from burning of foliar fuels. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 2281-95	10.3	321
13	Source apportionment of PM <sub>2.5</sub> in the Southeastern United States using solvent-extractable organic compounds as tracers. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 2361-71	10.3	435
12	Measurement of emissions from air pollution sources. 5. C1-C32 organic compounds from gasoline-powered motor vehicles. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 1169-80	10.3	808

11	Source reconciliation of atmospheric gas-phase and particle-phase pollutants during a severe photochemical smog episode. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 3806-14	10.3	183
10	Highly polar organic compounds present in wood smoke and in the ambient atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 1912-9	10.3	328
9	Measurement of emissions from air pollution sources. 3. C1-C29 organic compounds from fireplace combustion of wood. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 1716-28	10.3	954
8	Size and Composition Distribution of Fine Particulate Matter Emitted from Motor Vehicles. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 1132-1142	10.3	373
7	Source Apportionment of Wintertime Gas-Phase and Particle-Phase Air Pollutants Using Organic Compounds as Tracers. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 1821-1832	10.3	478
6	Measurement of Emissions from Air Pollution Sources. 1. C1through C29Organic Compounds from Meat Charbroiling. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 1566-1577	10.3	449
5	Size and Composition Distribution of Fine Particulate Matter Emitted from Wood Burning, Meat Charbroiling, and Cigarettes. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 3516-3523	10.3	273
4	Measurement of Emissions from Air Pollution Sources. 2. C1through C30Organic Compounds from Medium Duty Diesel Trucks. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 1578-1587	10.3	887
3	Highly Polar Organic Compounds Present in Meat Smoke. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 3313-3316	10.3	104
2	Source apportionment of airborne particulate matter using organic compounds as tracers. <i>Atmospheric Environment</i> , <b>1996</b> , 30, 3837-3855	5.3	1145
1	Determination of Heterocyclic Aromatic Amines (HAAs) in Urban Particulate Standard Reference Material and Wildfire-Influenced Particulate Matter by High-Performance Liquid Chromatography-Tandem Mass Spectrometry (HPLC-MS/MS). <i>Analytical Letters</i> , 1-14	2.2	